	Application No.	Applicant(s)
	00/895 553	LIEINEOKETAL
	09/885,553 Examiner	HEINECK ET AL. Art Unit
		0000
	Johannes P. Mondt	2826
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this appropriate communication GHTS. This application is subject	pplication. If not included on will be mailed in due course. THIS
1. \square This communication is responsive to <u>6/29/05</u> .		
2. The allowed claim(s) is/are 1,7 and 8.		4
 3. Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have Topies of the certified copies of the priority documents have Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" onted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give to CORRECTED DRAWINGS (as "replacement sheets") must 	been received. been received in Application party cuments have been received if the communication to file a reply ENT of this application. itted. Note the attached EXAMINER as reason(s) why the oath or declar	y complying with the requirements R'S AMENDMENT or NOTICE OF
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached1) ☐ hereto or 2) ☐ to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the	Office action of
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary Paper No./Mail Da 8), 7. ☑ Examiner's Amend	ate .

DETAILED ACTION

Response to Amendment

Amendment filed 6/29/05 forms the basis for this office action. In said

Amendment Applicants substantially amended claims 1, 7 and 8 through amendment of
claim 1. Claims 1, 7 and 8 are in the application; of the original claims 1-8 claims 2-6
had been cancelled in previous amendments.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with W. Stemer on September 15, 2005.

The application has been amended as follows:

BEGIN EXAMINER'S AMENDMENT

- (A) In claim 1: the wording: "respective ones of said conductive regions" (line 9 of claim 1) has been replaced with: "respective ones of said conductive regions and forming a vertical portion of a step";
- (B) In claim 1: the wording "and formed only along a step" (line 14 of claim 1) has been replaced with: "as a substantially straight vertical layer lining said vertical portion of said step";

(C) In the Specification, on page 4, lines 6-7, the wording "the second conductive region" has been replaced by "the second conductive region; the gate and the gate oxide forming a vertical portion of a step".

END OF EXAMINER'S AMENDMENT

Claims 1, 7 and 8 are allowed.

The following is an examiner's statement of reasons for allowance: Claims 1, 7 and 8 are allowed because said insulating silicon nitride spacer as taught by the prior art (138 in Ahmad (6,037,639) is not a substantially straight vertical layer lining the vertical portion of the step formed by the gate and the gate oxide layer spacer136 is not of silicon nitride. Related art is Liao (5,324,974); however, Liao does not form prior art at least for not disclosing the claimed thickened area of said gate oxide. No other prior art was found.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Johannes P. Mondt whose telephone number is 571-272-1919. The examiner can normally be reached on 8:00 - 18:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan J. Flynn can be reached on 571-272-1915. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JPM September 15, 2005